

Academy of Sciences (Cont.)

SOV/5573

The remaining articles discuss visual satellite observations and the results of photographic observations of the satellites 1958 6, and 1958 6_s. No personalities are mentioned. There are 2 references: 1 Soviet and 1 English.

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Academy of Sciences (Cont.)

SCV/5573

Firago, B. A. [Glavnaya astronomicheskaya observatoriya AN SSSR, Pulkovo -- Pulkovo Main Astronomical Observatory of the Academy of Sciences of the USSR]. On Considering the Apparent Rotation of the Celestial Sphere While Determining the Coordinates of Satellites With the Aid of Photographs Taken With Azimuth Cameras

12

Almár, I., and D. Pal. [Astronomic Observatory of the Academy of Sciences of Hungary]. A New Method of Visual Satellite Observation by Means of AT - 1 Telescopes

14

Turchaninova, E. V., and L. M. Sherbaum. Results of Photographic Observations of Artificial Earth Satellites (Positions of the Sputniks 1958 5¹ and 5², According to Photographic Observations at the Astronomical Observatory of Kiyev State University)

16

Observers: O. I. Babich, P. N. Polupan, Ye. V. Sandakova, A. P. Stefanov, Zh. M. Shcherban'. Calculations: L. M. Sherbaum. Measurements made on KIM-3 instrument

Card 3/4

TURCHANINOVA, E.V., nauchnyy sotrudnik; SHERBAUM, L.M., nauchnyy sotrudnik

Results of photographic observations of artificial earth
satellites. Biul.sta.opt.nabl.isk.sput.Zem. no.5:16-17 '60.
(MIRA 13:11)

1. Astronomicheskaya observatoriya Kiyevskogo gosuniversiteta.
(Artificial satellites--Tracking)

SHERBAUM, L.M.

Results of photographic observations of the Ekho-1, 1960, artificial satellite at the Astronomical Observatory of Kiev University.
Biul.sta.opt.nabl.isk.sput.Zem. no.26:21-23 '62. (MIRA 15:7)

1. Astronomiceskaya observatoriya Kiyevskogo universiteta.
(Artificial satellites---Tracking)

CHERVYAKOVA, A.F.; PLUZHNIKOV, V.Kh.; GORELOV, Ya.P.; SHERBAUM, L.M.;
KRYLOV, A.G.; SENTSOVA, Yu.Ye.; KHARIN, B.T.

Results of photographic observations of artificial satellites.
Biul.sta.opt.nabl. isk.sput.Zem. no.25:23-28 '62. (MIRA 15:7)

1. Nachal'nik stantsii nablyudeniya iskusstvennykh sputnikov Zemli Instituta astrofiziki AN Turkmeneskoy SSR (for Chervyakova).
2. Nachal'nik Khar'kovskoy stantsii nablyudeniya iskusstvennykh sputnikov Zemli (for Pluzhnikov).
3. Nachal'nik stantsii nablyudeniy iskusstvennykh sputnikov Zemli Gosudarstvennogo astronomicheskogo instituta im. P.K.Shternberga (for Gorelov).
4. Astronomicheskaya observatoriya Kiyevskogo universiteta (for Sherbaum).
5. Stantsiya Astronomiceskogo soveta AN SSSR (for Krylov, Sentsova).
6. Nachal'nik Tomskoy stantsii opticheskikh nablyudeniy iskusstvennykh sputnikov Zemli (for Kharin).

(Artificial satellites—Tracking)

2.

ACCESSION NR: AT4034463

S/3091/63/000/002/0003/0010

AUTHOR: Benyukh, V. V.; Vil'chinskaya, S. P.; Dorenko, A. A.; Krivutza, Yu. N.; Sandakova, Ya. V.; Terent'yeva, A. K.; Sherbaum, L. M.

TITLE: Photographic observations of meteors in 1958 at the Kiyevskaya astronomicheskaya observatoriya (Kiev Astronomical Observatory)

SOURCE: Kiyev. Universitet. Sbornik rabot po Mezhdunarodnomu geofizicheskому godu, no. 2, 1963, 3-10

TOPIC TAGS: astronomy, meteor, upper atmosphere, photographic meteor

ABSTRACT: In 1958 photographic observations of meteors were made at two base stations at Kiev University using an AS-11 meteor patrol with fixed cameras. The description of the patrol apparatus, coordinates of the observation stations and other general information on the observation method have been presented earlier (Sbornik stately po MGK Kiyevskogo universiteta, No. 1, 1960). The methods and formulas used in determination of various meteor parameters are reviewed briefly. The basic contribution of the paper is presentation of data obtained by processing of 21 base photographs of meteors. Table I gives general information concerning the 21 meteors - angular length of the meteor in degrees, the value of braking at the heights H_1 and H_2 , extra-atmospheric velocity, maximum absolute stellar magnitude 1/2.

ACCESSION NR: AT4034463

tude reduced to the international visual system, heights of appearance and disappearance and other parameters. Table 2 gives information on each meteor at several points of the path. "The following persons participated in the processing of the published data: I. V. Kozhevnikova, L. M. Kozhevnikov, V. G. Kruchinenko, A. K. Suslov and Zh. M. Shcherban". Orig. art.has: 7 formulas and 2 tables.

ASSOCIATION: Klyeovskiy Universitet (Kiev University)

SUBMITTED: 00

DATE ACQ: 07May64

ENCL: 00

SUB CODE: AA

NO REF Sov: 003

OTHER: 001

Card 2/2

SHERBENESKU [X]
SHERBENESKU, E. [Serbanescu, E.]

Study on the intensiveness of the metabolism in the varieties, lines,
and hybrids of maize. Rev biol 5 no.1/2:33-45 '60.
(EEAI 10:9)

(Plants) (Corn(Maize))

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220015-2

MERIN-PARTENKO, A. L.

Endothia Canker and Ink Disease of the Edible Chestnut, Moscow/Leningrad, 1950, 72 pp

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220015-2"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220015-2

Report of the Conference of the Economic Council of the USSR, Moscow/Izdatizdat, 1976.

Report of the Conference of the Economic Council of the USSR, Moscow/Izdatizdat, 1976.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549220015-2"

SHERBINA, A. D.

Serbina, A. D. On a generalization of the method of Fejér for the summation of a double Fourier series. Doklady Akad. Nauk SSSR (N.S.) 60, 1321-1324 (1948). (Russian)

It is well known [cf. L. Tonelli, Serie Trigonometriche, Zanichelli, Bologna, 1928, chap. IX, pp. 490-494] that the Fejér means

$$\sigma_{m,n} = \frac{1}{(m+1)(n+1)} \sum_{\mu=0}^m \sum_{\nu=0}^n S_{\mu\nu}$$

of the double Fourier series of a continuous function $f(x, y)$, periodic with period 2π with respect to both variables, converge uniformly to the function. The aim of the paper is to extend this result to the generalized Fejér means

$$(1) \quad \sigma_{m,n,p,q} = \frac{1}{(p+1)(q+1)} \sum_{\mu=m-p}^m \sum_{\nu=n-q}^n S_{\mu\nu},$$

where $p=p(m)$ ($0 \leq p \leq m$) and $q=q(n)$ ($0 \leq q \leq n$) are functions of m and n , respectively. It is stated that the conditions

Source: Mathematical Reviews, 1/2 Vol

A.D.S.

$$(2) \quad \liminf_{m \rightarrow \infty} \hat{p}(m)/m = \alpha > 0, \quad \liminf_{n \rightarrow \infty} q(n)/n = \beta > 0$$

are necessary and sufficient for $\sigma_{m,n,p,q}$ to tend uniformly to $f(x, y)$ when $m, n \rightarrow \infty$. Let $M_{p,q}^{m,n}$ denote the Lebesgue constants of the summation method (1). It follows from a result of S. Nikolsky [Bull. Acad. Sci. URSS. Sér. Math. [Izvestia] Akad. Nauk SSSR] 4, 509-520 (1940); these Rev. 2, 279] that

$$(3) \quad M_{p,q}^{m,n} = \frac{16}{\pi^4} \log \frac{m}{p+1} \cdot \log \frac{n}{q+1} + O\left(\log \frac{m}{p+1}\right) + O\left(\log \frac{n}{q+1}\right) + O(1).$$

Thus if conditions (2) are not satisfied it is seen from (3) that the Lebesgue constants are not bounded, which proves the necessity of the conditions. Now let $E_{m-p,n-q}(f)$ denote the maximal deviation from $f(x, y)$ of the best approximating trigonometric polynomial of order $m-p, n-q$. As we have

8 No. 10 1

GRAN

$$(4) \quad |\sigma_{m,n,p,q} - f(x, y)| \leq (M_{p,q} + 1) E_{m-p,n-q}(f)$$

furthermore, as the Lebesgue constants $M_{p,q}$ are bounded if condition (2) is fulfilled, it follows from (4) that $\sigma_{m,n,p,q}$ converges uniformly to $f(x, y)$ provided that $m-p \rightarrow \infty$ and $n-q \rightarrow \infty$. Now it seems, though it is nowhere stated explicitly, that the author assumes that $m-p(m)$ and $n-q(n)$ are nondecreasing functions of their arguments [for instance, it is stated on p. 1323 that if in (2) $\alpha < 1$ and $\beta < 1$ we have $m-p(m) \rightarrow \infty$ and $n-q(n) \rightarrow \infty$, which of course is true only under the additional condition mentioned]. In case either $m-p(m)$ or $n-q(n)$ or both are bounded, the proof follows by comparing $\sigma_{m,n,p,q}$ with the ordinary Fejér means $\sigma_{m,n}$. The same method furnishes the proof also in case the existence of $\lim_{m \rightarrow \infty} p(m)/m$ is supposed.

[Reviewer's remark. The theorem in question can be proved without the limitations that $m-p(m)$ and $n-q(n)$ are nondecreasing, and without making distinctions between different cases, by the same well-known argument [see, for instance, Tonelli, loc. cit.] by which the uniform convergence of the ordinary Fejér sums is usually proved. As a matter of fact (2) implies that the Lebesgue constants are bounded, furthermore that $p \rightarrow \infty$ and $q \rightarrow \infty$, and this is all that is needed.]

A. Rényi (Budapest).

Source: Mathematical Reviews, 2/2 Vol 9 No. 10 1

a D S

SHEEBINA, P.F., zootehnik; BURKOVSKAYA, L.S.

Experience of Gradizhsk poultry men in raising geese. Ptitsevodstvo
8 no.12:12-14 D '58. (MIRA 11:12)

1. Direktor Gradizhskoy inkubatorno-ptitsevodcheskoy stantsii.
(Gradizhsk District--Geese breeding)

SHERBINA, V.V., doktor geologo-mineralogicheskikh nauk.

Achievements of contemporary science in the study of ore deposits.
("Principal problems in the theory of magmatic ore deposits." A.G.Betekhtin, F.I.Vol'fson, Zavaritskiy, A.N.; Korzhinskiy, D.S., Levitskiy, O.D., Nikolayev, V.A. Reviewed by V.V.Shcherbina). Vest. AN SSSR 24 no.9:99-103 S '54.
(Ore deposits) (Betekhtin, Anatolii Georgievich) (Vol'fson, Fal'tel' Iosifovich)

31295
S/124/61/000/010/030/056
D251/D301

26.2/35

AUTHOR:

Sherbina, Yu.A.

TITLE:

Calculating the temperature profiles in the track
behind a badly streamlined body on combustion

PERIODICAL:

Referativnyy zhurnal. Mekhanika, no. 10, 1961, 84,
abstract 10 B598 (Tr. Mosk. fiz.-tekhn. in-ta, 1959,
no. 3, 93-107)

TEXT: A method is proposed for calculating the completeness of combustion (temperature distribution) behind one or several stabilized flames in the combustion chamber of an aero-jet engine. The results of the calculation are compared with experimental data obtained by the author and other investigators on the basis of models. The data are applied to the mean position of the flame-front in space and the mean square deviation of the front from this position. [Abstracter's note: Complete translation] X

Card 1/1

I., and Sherbinin, V. A.

of the Joint Action of Cata-
products of the Decomposition
tlybdenum Salts

389-895

. fiz. khimii, 1950,
plied to the investi-
ation of H_2O_2 using
on vs.

SHERBININ

Category USSR

B 9

Abs. Jour: Zh. Kh. No 3, 1957, 7526

Author: Bogdanov, G. A., Berkengeym, T. I., and Sherbinin, V. A.

Inst: Not given

Title: Additional Materials on the Theory of the Joint Action of Catalysts in Solution. I. Intermediate Products of the Decomposition of H_2O_2 Catalyzed by Calcium and Molybdenum Salts

Orig Pub: Zh. Fiz. Khimii, 1956, Vol 30, No 4, 889-895

Abstract: The gasometric method (G. A. Bogdanov, Zh. fiz. khimii, 1950, Vol 24, 1450; 1951, Vol 25, 323) has been applied to the investigation of the homogeneous catalytic decomposition of H_2O_2 using a mixture of $CaCl_2$ and Na_2MoO_4 . The rate of decomposition vs. H_2O_2 concentration curve passes through a maximum independently of the temperature and the H ion concentration. The shape of the

Card: 1/2

-8-

Category: USSR

B-9

Abs Jour: Zh.-Kh., No. 3, 1957, 7526

kinetic curves remains unchanged in the absence of CaC_2 , but a sharp increase is observed in the reaction rates. The authors explain the relationships observed by the formation of two intermediate substances of varying peroxide oxygen content. Two salts with the following compositions have been isolated from the reaction mixtures: $\text{Ca}_2\text{Mo}_2\text{O}_{13} \cdot 9\text{H}_2\text{O}$ and $\text{CaMoO}_8 \cdot 4\text{H}_2\text{O}$.

Card : 2/2

-9-

L 09978-67

ACC NR: AP6029807

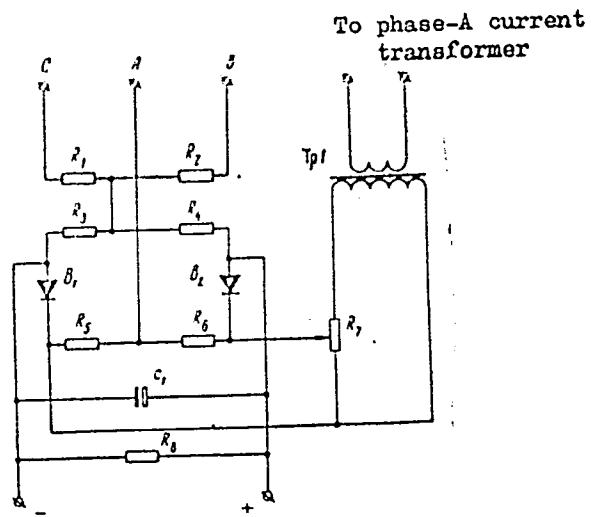


Fig. 1. Circuit of active-power pickup.

than 3%. Orig. art. has: 12 formulas, 2 graphs, and 3 diagrams.

SUB CODE: 10, 09, 13/ SUBM DATE: none/ ORIG REF: 005

SHEREMET, Ya. V.

Sheremet, Ya. V.

"A rational system of shears for cutting hot blooms and slabs, and an investigation of it." Acad Sci Ukrainian SSR. Inst of Ferrous Metallurgy. Dnepropetrovsk, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

S/123/E1/000/006/015/020
A004/A104

AUTHOR: Sheremet, Ya. V.

TITLE: Method of plotting the member positions of lever shears with lever-type clamping mechanism

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 5, 1961, 18, abstract 6'120. ("Sov. nauchno-tekhnicheskaya promst. metallurg. in-t", 1958, no. 35, 38-45)

DEC'D: The author describes a method of plotting the position of the members of the 300-ton capacity lever shears with lever-type clamping mechanism designed and fabricated at the Novo-Kramatorskii mashinostroitel'nyy zavod im. Stalina (Novo-Kramatorsk Mechanical Engineering Plant im. Stalin) for the pipe-blank shop of the Plant im. Dzerzhinskii. The shears belong to the mechanism of alternating structures in the idling period to the fourth class of the third order, and in the cutting period to the sixth class of the fifth order. The presented method is an example of using the method of false positions of members of a complex mechanism. There are 6 figures.

[Abstractor's note: Complete translation]
Card #1

S. Kolesnikov

SHERemet, Ye. G.

GORBOVSKAYA, T.G.; SHEREMET, Ye.G.; SOBOLEVSKAYA, O.P.; CHEMERINSKAYA, K.S.
MAYEVSKAYA, N.K.

In honor of professor K.A.Karysheva's 70th birthday. Vest. ven. i
derm. no.3:63 My-Je '54. (MLRA 7:8)
(KARYSHEVA, KSENNIA ALEKSANDROVNA, 1883-)

L 48216-65 ENT(a)/ENT(1)/EWA(d)/EMP(v)/EEC(b)-2/EMP(k)/EMP(h)/EMP(l)/EWA(n)
P₂-4/P₃-4/P₇-4/P₁-4/P₈-4/P₆/P₁-4

ACCESSION NR: AP5008333

S/0115/65/000/001/0011/0013

AUTHOR: Golovinskiy, L. V.; Sheremet, Ye. M.

TITLE: Enhancing the reliability of some pulse circuits used in measuring devices

SOURCE: Izmeritel'naya tekhnika, no. 1, 1965, 11-13

TOPIC TAGS: reliability, measuring device

ABSTRACT: The results are reported of an investigation of a "system characterized by great complexity and high requirements for its reliability over a long period of time, within ... -40+50°C" [Abstracter's note: The outfit is neither named nor specified.] The principal circuits of a coincidence circuit and a trigger circuit are given. The system reliability was investigated by the marginal-check method with these results: (1) For coincidence and trigger circuits, the supply-voltage value can be used as a marginal parameter; (2) The

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L 48816-65

ACCESSION NR: AP5008333

optimal voltage for a trigger is 10.5 v, and for coincidence stage, 9.5 v; (3) The selection of optimal parameters permitted widening the operating temperature range from -40 + 60C to -50 + 80C; as a result, the probability of correct operation increased from 94% to 96%; (4) In the above two circuits, the probability of gradual and sudden failure was 70% and 30%, respectively. Orig. art. has: 4 figures and 4 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 001

OTHER: 000

Card 2/2

DOCHINH-VIEN, I.R., Inst.; SHAKHEM, Ya.Ya., inst.

New starters had one drift in ore mines. Abundant. strct. S no. 7
104-13 Jl. Soc. (SFA 17717)

.. Institut Afrikabauprojekt.

L 4097-66 ENT(1)/EWA(h) GG
ACCESSION NR: AP5025580

UR/0115/65/000/009/0004/0006
621.382.2.019.3

32
B

AUTHOR: Golovinskiy, L. V.; Sheremet, Ye. M.

TITLE: Taking account of gradual failure in a switching element based on a tunnel diode

SOURCE: Izmeritel'naya tekhnika, no. 9, 1965, 4-6

TOPIC TAGS: tunnel diode, ²⁵switching circuit, circuit reliability

ABSTRACT: The authors describe a switching device for a measuring system (see fig. 1 of the Enclosure). The unit is based on tunnel diode TD in combination with a transistor. Forward bias is applied to the tunnel diode through resistor R_1 so that the current-voltage curve for R_1 intersects the curve for TD at two points A and B on ascending branches of the curve (see fig. 2 of the Enclosure). Thus a bistable element is produced which is changed over by pulses of different polarity and amplitude. Negative voltage pulses appear at the output of this type of flip-flop with amplitude $U_{out} = U_B - U_A$. These pulses serve as the input voltage to the keying amplifier based on transistor T, which is normally closed. Positive pulses of the

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L 4097-66

ACCESSION NR: AP5025580

given amplitude appear at the output of the transistor. The response of this switching device is approximately 50-100 musec depending entirely on the type of transistor used. Limit tests are used for determining the extent to which the working capacity of the flip-flop is dependent on variations in the parameters of the elements and on the effect of other external factors on the assumption that gradual failures make up 60-70% of the total number of failures. The results of the limit tests and checking of the altered circuit for 240 hours at 50° showed that the operating capacity of the circuit is insensitive to changes in the parameters of its elements within rather wide limits ($\pm 30\text{-}50\%$). Orig. art. has: 3 figures, 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 002

ENCL: 01

SUB CODE: EC

OTHER: 001

Card 2/3

L 4097-66

ACCESSION NR: AP5025580

ENCLOSURE: 01

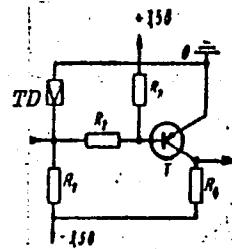
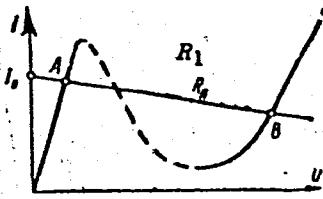


Fig. 1.

Fig. 2. Stable operating points of tunnel diode TD loaded by resistor R_1 .BVK.
Card 3/3

Sheremet, Z. I.

✓ The digestive and metabolic functions of the gastrointestinal canal of cattle. Z. I. Sheremet. *Fizich. Pitaniya Sel'skokhoz. Zhivotnykh* (Moscow, Sel'khozgiz) 1953, 59-101; *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 10347.

M.D.
In three cows with external duodenal anastomoses the duodenum was found to contain a homogeneous chyme (I), the compn. of which is independent of the age or productivity of the animal, but its vol. appears to be related to the type and amt. of nutrition. H_2O in I varied from 94.7 to 97.3%, ash from 0.75 to 0.94%, and N from 0.111 to 0.186%. It was detd. that 50% of substances introduced with the food do not enter into the duodenal chyme. This is assumed to be due to the fact that in the upper part of the digestive app. of cattle both splitting and absorption of ingested foods takes place. This applies largely to the carbohydrates and to a lesser extent to the fats. In this respect it was found that 1:4 or 1:6 ratios of carbohydrates and fats of the ingested foods appear in I in a 1:1 ratio. The mineral substances in I increase, which is believed to be a consequence of I mixing with the gastric juices. The amt. of H_2O absorbed from the intestinal canal is in considerable excess of the H_2O taken in with the food. The amt. of protein absorbed is 75-90% of the amt. taken in as food, and the amt. of carbohydrates and fats absorbed are 12-16% of the amt. injected. The amino-acid compn. of the total proteins of the pancreatic juice, secured through a fistula, has a higher content of tryptophan and tyrosine and a lower content of histidine than the proteins of the blood serum.

B. S. Levine

SHEREMET, Z.I.; RAUSHENBAKH, M.O.

Effect of roentgen rays on cytochrome C [with summary in English].
Med.rad. 3 no.6:40-46 N-D '58. (MIRA 12:1)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi Ministerstva zdravookhraneniya SSSR.

(CYTOCHROMES, metabolism,

c, eff. of x-rays (Rus))

(ROENTGEN RAYS, eff.

on cytochrome c metab. (Rus))

BAGDASAROV, A.A., prof.; CHERTKOV, I.L.; RAUSHENBAKH, M.O., prof.; SAMOYLINA, N.L.;
SHEREMET, Z.I.

Properdin system in acute radiation sickness. Med. rad. 4 no.4:
3-10 Ap '59. (MIRA 12:7)

1. Iz TSentral'nogo ordena Lenina instituta hematologii i perelivaniya
krovi. 2. Deystvitel'nyy chlen AMN SSSR (for Bagdasarov).

(PROPERDIN,

in radiation sickness in animals (Rus))

(ROENTGEN RAYS, eff.

acute radiation sickness on properdin system in
animals (Rus))

VOROB'YEV, V.N.; SHEREMET, Z.I.; RAUSHENBAKH, M.O., prof.

Effect of ionizing radiations on preserved blood and plasma.
Med.rad. 4 no.6:65-73 Je '59. (MIRA 12:8)

1. Iz TSentral'nogo ordena Lenina instituta hematologii i
perelivaniya krovi.

(BLOOD, PRESERVED,
eff. of x-rays (Rus))
(ROENTGEN RAYS, eff.
on preserved blood (Rus))

SHEREMET, Z.I.; MANTEYFEL', V.M.; RAUSHENBAKH, M.O.

Changes in blood and tissue mucopolysaccharides and the hyaluronidase inhibitor in animals in acute radiation sickness. Med.rad. 4 no.12:25-39 D '59. (MIRA 13:5)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi Ministerstva zdravookhraneniya SSSR.
(POLYSACCHARIDES metab.)
(HYALURONIDASE antagonists)
(RADIATION SICKNESS exper.)

CHERTKOV, I.L.; SHEREMET, Z.I.

Mechanism of the lowering of the properdin level in the blood
in acute radiation sickness. Med.rad. 6 no.3:30-35 '61.

(MIRA 14:5)

(RADIATION SICKNESS) (PHOPERDIN)

S/241/65/008/001/003/006
D243/D507

AUTHORS:

Sheremet, Z.I. and Kazanova, L.I.

TITLE:

The effect of vitamin B_{12} on the content of nucleic acids in the blood-forming organs of irradiated animals

PERIODICAL:

Meditinskaya radiologiya, v.3, no. 1, 1963, 46-53

TEXT:

The present work was carried out in view of the lack of information concerning the effect of vitamin B_{12} on the nucleic acid metabolism, and to determine the advisability of treatment with this vitamin during radiation sickness. The nucleic acid contents were measured, by biochemical and cytochemical methods, in the bone marrow and spleen of guinea pigs X-ray-irradiated with a total dose of 300 r, at 15-26 r/min. The test animals were treated intramuscularly with vitamin B_{12} every other day following irradiation and were then decapitated. Comparative tests were run on the nucleic acid contents in the above organs after (1) irradiation alone, (2) vitamin treatment alone, and (3) combined irradiation and vitamin

Card 1/3

The effect of vitamin B₁₂ ...

S/241/65/C08/001/003/006
D245/J307

treatments. The acids were resolved into DNA and RNA. (1) The contents of both acids decreased sharply after irradiation, particularly in the bone marrow; in the latter organ the RNA/DNA ratio increased from 0.45 - 0.46 to 0.73 - 0.93 seven days after irradiation. The corresponding rise of this ratio in the spleen was 0.52 - 0.55 to 0.57 - 0.61. Morphological and cytochemical changes were in agreement with and supplemented the biochemical tests. Most irradiated animals exhibited hypoplasia and aplasia of the bone marrow. Lowering of the nucleic acid contents in the bone marrow is ascribed not only to radiation damage but also to morphological changes induced in this organ. (2) Vitamin doses of 10 µg, on alternate days, for 6-7 days, essentially did not affect the nucleic acid contents, although in 45% of the animals a statistically significant 19% rise in the content of DNA was observed. The results for spleen show little difference between the treated and the control animals. (3) Administration of vitamin B₁₂ during the first half of radiation sickness (10 or 40 µg) led in most cases to an even sharper decline of the DNA content in bone marrow, and to greater aplasia, showing

Card 2/3

The effect of vitamin B₁₂ ...

S/241/63/008/001/003/006
D243/D307

that the reduction of nucleic acids in blood-forming organs is not connected with a shortage of vitamin B₁₂. The RNA in bone marrow and the DNA and RNA in spleen were unaffected. Administration of vitamin B₁₂ is therefore not recommended in the initial stages of acute radiation sickness although it should be given when formation of blood is reduced. There are 1 figure and 3 tables.

ASSOCIATION: Tsentralnyy ordena Lenina institut gematologii i perelivaniya krovi (Central 'Order of Lenin' Institute of Hematology and Blood Transfusion)

SUBMITTED: May 22, 1962

Card 3/3

SHVARTZ-S. J. CHIK, N. S.

"Anatomic and Histological Research on the Problem of the Tonsilla Capsule," Vest. Oto-Rino-Laringol., No. 4, 1949. Cand. Medical Sci. Mbr., Oto-Rino-Laryngological Clinic, 2nd Moscow Med. Inst. im. I. V. Stalin, -1949-.

POZMOGOV, A.I.; SHEREMET-SHCHERBAK, N.G., kandidat meditsinskikh nauk.

Tomography in the diagnosis of laryngeal cancer. Vest. oto-rin. 17
no. 6:12-16 N-D '55. (MLRA 9:2)

1. Iz Kiyevskogo rentgeno-onkologicheskogo instituta.
(LARYNX, neoplasms,
diag., tomography)

SHEREMET-SHCHERBAK, N.G., starshiy nauchnyy sotrudnik; NAZIMOK, N.F.,
nauchnyy sotrudnik

Roentgenotherapy of chronic sinusitis. Vest.rent. i rad. 34 no.4:
91-92 Jl-Ag '59. (MIRA 12:12)

1. Iz Kiyevskogo rentgeno-radiologicheskogo i onkologicheskogo insti-
tuta (dir. - prof. I.T. Shevchenko).
(SINUSITIS radiotherapy)

SHEREMET-SHCHERBAK, N.G., starshiy nauchnyy sotrudnik

Combined treatment of malignant tumors of the nasal cavity and
the paranasal sinuses. Preliminary report. Zhur. ush., nos. i
gorl. bol. 20 no. 3:34-37 My-Je '60. (MIRA 14:4)

1. Iz khirurgicheskoy klinik Kiyevskogo nauchno-issledovatel'skogo
rentgeno-radiologicheskogo i onkologicheskogo instituta.
(NOSE, ACCESSORY SINUSES OF--CANCER)

GANINA, K.P.; SHEREMET-SHCHERBAK, N.G.

Case of cyst of Highmore's antrum. Zhur. ush., nos. i gorl. bol.
20 no.4:55-56 Jl-Ag '60. (MIRA 14:6)

1. Iz khirurgicheskoy kliniki Kiyevskogo nauchno-issledovatel'skogo
rentgeno-radiologicheskogo i onkologicheskogo instituta.
(NOSE, ACCESSORY SINUSES OF--TUMORS)

SOV/180-59-2-27/3⁴

AUTHORS: Zhuze, T.P., and Sheremeta, B.K. (Moscow)

TITLE: Adsorption Method of Purifying Ozocerite with the Use of Gaseous Solvents for Extraction (Adsorbtionnyy metod ochistki ozokerita s ispol'zovaniyem dlya ekstraktsii gazovykh rastvoriteley)

PERIODICAL: Izvestiya akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 2, pp 144-147 (USSR)

ABSTRACT: The authors outline the present, defective, industrial method of extracting ceresin from crude ozocerite in two stages. They describe a better procedure they have developed. In this an adsorption purification stage is combined with extraction by compressed gas. The ordinary ozocerite is obtained by the normal method by distilling off the oils from crude ozocerite. The ordinary ozocerite is heated to 120 - 140 °C and mixed with 2 to 3 times its weight of adsorbent. The mixture is charged into an extraction column and heated to 100 °C, after which gas at 60 - 100 atm. gauge is passed through. The dissolved ceresin is precipitated in a separator at 100°C in which the pressure is kept at 40 - 50 atm., corresponding to a very low solubility of ceresin in gas. The

Card 1/3

SOV/180-59-2-27/3⁴

Adsorption Method of Purifying Ozocerite with the Use of Gaseous Solvents for Extraction

gas is compressed and re-used; the finished ceresin is periodically removed via a trap. In their experiments the authors used an extraction column 1500 mm long and 45 mm in diameter, which could hold 3 kg of adsorbent-ozocerite mixture. The ceresin content of the gas before the separator was determined. A variety of standard grades of ozocerite with infusorial earth or alumino-silicate dust as the adsorbent was studied with gas containing 0.2% ethylene, 4.1% ethane, 3.3% propylene, 89.3% propane, and 3.1% butane as the solvent. The results are tabulated showing the adsorbent/standard ozocerite weight ratio; mixing temperature (°C); the mixing time (minutes); extraction pressure (atmospheres gauge); yield of ceresin fractions (% of standard ozocerite); total ceresin yield (% of standard ozocerite); drop precipitation temperature (°C); number of penetrations; colour on Stammer's scale. By stepwise regulation of the pressure ceresin fractions of different melting points could be obtained separately.

Card 2/3

SOV/180-59-2-27/3⁴

Adsorption Method of Purifying Ozocerite with the Use of Gaseous Solvents for Extraction

Another advantage of the authors' method is that, since there is no high-temperature treatment of ozocerite with sulphuric acid, the original hydrocarbon branched structure is preserved.

There are 1 table and 2 Soviet references.

SUBMITTED: July 16, 1958

Card 3/3

SHEREMETA, B. K., Cand Tech Sci (diss) -- "The adsorption method of purifying wax products using compressed gas for extraction". Moscow, 1960. 14 pp (Acad Sci USSR, Inst of Geology and Working of Mineral Fuels), 150 copies (KI, No 9, 1960, 126)

ZHUZE, T.P.; SHEREMETA, B.K.

Adsorption method for the purification of raw ozocerites using
compressed gases for the extraction. Trudy Inst.nefti 13 '59.
(MIRA 13:12)

(Ozocerite) (Gases, Compressed)

SHEREMETA, B.K., kand.tekhn.nauk

Comparative study of the group hydrocarbon composition of Borislav
ceresin from adsorption and sulfuric acid refining. Nauch.zap.-
Ukrniiproekta no.4:121-131 '61. (MIRA 15:1)
(Borislav region--Ceresin)

RUDAKOVA, N.Ya., kand.tekhn.nauk; POLISHCHUK, S.A., kand.tekhn.nauk;
SHEREMETA, B.K., kand.tekhn.nauk; GAMOLINA, L.N., inzh.;
STANITSKAYA, Z.N., inzh.; GERMASH, E.A., inzh.; VASIL'YEVA,
Z.N., inzh.

Possibility of production of transformer oils from the petroleum
of the Okhinskiy and Katangli fields. Nauch.zap.Ukrniiproekta
no.8:64-70 '62. (MIRA 16:1)
(Insulating oils) (Petroleum—Refining)

RUDAKOVA, N.Ya., kand. tekhn. nauk; SHEREMETA, B.K., kand. tekhn. nauk;
KOLOSYUK, R.T.; MEL'NIK, A.A.; CHURAKOV, P.I.; KIMERMAN, S.Z.;
BILONIZHKO, A.D.

Obtaining commercial paraffins and fuel oils by the destructive
distillation of a heavy paraffin lubricant derived from western
Ukraine cils. Neft. i gaz. prom. no.2:53-56 Ap-Je '63.

(MIRA 17:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti UkrSSR (for
Kolesyuk). 2. Pervyy drogobychskiy neftepererabatyvayushchiy
zavod (for Mel'nik, Churakov, Kimerman, Bilonizhko).

ACCESSION NR: AP4026849

S/0065/64/000/004/0022/0026

AUTHORS: Rudakova, N.Ya.; Sheremeta, B.K.; Kvyatkovskaya, T.A.;
Kolosyuk, R.G.TITLE: Extension of raw material resources for paraffins based on
Ukrainian paraffinic petroleums.

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 4, 1964, 22-26

TOPIC TAGS: paraffinic petroleum, Ukrainian petroleum, paraffin
production, low melting paraffin, raw material resource, diesel fuel
distillate, vacuum gas oil distillate, selective solvent, extraction,
carbamide process, deparaffinationABSTRACT: Studies were made to confirm the possibility of producing
in Ukrainian petroleum processing plants low melting paraffins from
distillates from diesel fuels, vacuum gas oil and filtrates, and
run-off from the manufacture of paraffins by filter pressing and
sweating. The low melting paraffins may be obtained by extraction
with selective solvents or with carbamides. Mixtures of benzene
with acetone, dichloroethane or methylethylketone were investigated

Card 1/2

ACCESSION NR: AP4026849

as selective solvents; a 40:60 benzene:acetone mixture to be used in a 3:1 ratio for diesel fuel and 5:1 for the filtrates and run-off was found most effective. The products obtained by the two methods have different physical chemical properties due to the more extensive extraction of paraffins with the carbamide process (10.78% separation as compared to 5.77% for selective solvents). Presently 4-4.5% solid paraffins, based on the petroleum, are extracted. The production of lubricating oils based on these deparaffinized fractions can be arranged. Considering the power and technological equipment in Ukrainian petroleum processing plants, deparaffination of the paraffin in the distillates using selective solvents is more realistic and promising than by using the carbamide method. "Experimental work was carried out with the participation of Z.N. Stanitsk, E.A. Germash, S.I. Oleksin." Orig. art. has: 4 tables.

ASSOCIATION: UkrNII

SUBMITTED: 00

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: FL
Card 2/2

NR REF SOV: 004

OTHER: 000

L 45939-66 EWT(m)/T WE/GD
ACC NR. AT6020586

SOURCE CODE: UR/0000/65/000/000/0029/0035

AUTHOR: Rudakova, N. Ya.; Sheremeta, B. K.; Ostrovskaia, Z. N.; Kvyatkovskaya, T. A.

ORG: UkrNIIgiproneft

TITLE: Comparative dewaxing of diesel distillates of Dolina and Bitki petroleum for the purpose of obtaining low-melting waxes suitable for oxidation to synthetic fatty acids and synthetic fatty alcohols

SOURCE: Neftepererabotka i neftekhimiya (Petroleum refining and petroleum chemistry)
Kiev, Naukova dumka, 1965, 29-35

TOPIC TAGS: dewaxing, diesel fuel, fatty acid, acetone, benzene

ABSTRACT: Diesel distillates of Dolina and Bitki petroleum were dewaxed by three methods: a low-temperature process involving the use of selective solvents (mixtures of acetone and benzene and also methyl ethyl ketone and benzene), a low-temperature process without solvents at a cooling temperature down to -20°C, and treatment with crystalline carbamide. The two types of petroleum were found to be very similar in physicochemical properties and content of diesel fractions. The 240-350°C fraction is best suited for producing low-melting paraffin waxes to be oxidized to synthetic fatty alcohols. Dewaxing with selective solvents, aimed at producing low-melting waxes, should be carried out in two stages, i. e., dewaxing of diesel distillates and deciling of the wax cake. The optimum solvent is a mixture of 80% acetone and 20% benzene.

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L 45902-56

ACC NR: AT6020586 /

Mixing of dewaxed 240-350 °C and 200-240 °C fractions produces diesel fuels with solidification points of -26 to 28 °C which meet the GOST requirements for DS diesel fuels.¹¹ It is concluded that the method of low-temperature selective dewaxing of diesel fuels is the most suitable for adoption by Ukrainian petroleum refineries in the immediate future for purposes of petrochemical synthesis and production of cold diesel fuels. Orig. art. has: 5 tables.

SUB CODE: 11/ SUEM DATE: 01Dec65/ ORIG REF: 001

1-3
Card 2/2

L 45938-66 EWT(m)/T WE/GD
ACC NR: AT6020587

SOURCE CODE: UR/0000/65/000/000/0036/0042

AUTHOR: Rudakova, N. Ya.; Polishchuk, S. A.; Sheremeta, B. K.; Sereda, Z. Ya.

38

B71

ORG: UkrNIIgiproneft'v

TITLE: Physicochemical properties and group composition of petroleum from Oktyabr' field

SOURCE: Neftepererabotka i neftekhimiya (Petroleum refining and petroleum chemistry).
Kiev, Naukova dumka, 1965, 36-42

TOPIC TAGS: diesel fuel, gasoline

ABSTRACT: In order to study the physicochemical properties of narrow fractions of Oktyabr' petroleum, the latter was distilled on an ARN-1 unit up to 220°C at atmospheric pressure and under vacuum above that temperature. Analysis showed a high content of low-octane gasoline fractions (50.66% up to 200°C) of low detonation stability. The 85-200°C fraction is recommended for use as stock for catalytic reforming in the production of high-octane gasoline. From the 120-220°C fraction, TS-1 fuel meeting all GOST requirements except the content of aromatic hydrocarbons can be obtained; DL diesel fuel corresponding to GOST standards in all characteristics can be obtained from the 220-350°C fraction, and DZ diesel fuel satisfying all the GOST requirements is obtained from the 170-300°C fraction. The 300-350°C fraction may be used as a component of DL diesel fuel. The residue of the distillation of Oktyabr' petroleum up to

Card 1/2

LC
Card 2/2

5/710/62/000/008/002/003
E075/E436

AUTHORS: Rudakova, N.Ya., Polishchuk, S.A., Sheremeta, B.K.,
Candidates of Technical Sciences, Gamolina, L.N.,
Stanitskaya, Z.N., Germash, E.A., Vasil'yeva, Z.N.,
Engineers

TITLE: The possibility of producing transformer oils from
Okha and Katangli crudes

SOURCE: Kiyev. Gosudarstvennyy nauchno-issledovatel'skiy i
proyektnyy institut ugol'noy, neftyanoy i gazovoy
promyshlennosti. Nauchnyye zapiski. no.8. 1962.
Neftepererabotka. 64-70

TEXT: An attempt was made to produce transformer oils satisfying
ГОСТ 982-56 (GOST 982-56) specification from Okha and Katangli
crudes subjected to acid or furfural treatment without dewaxing.
The properties of the crudes are given in Table 1. These crudes
contain about 50% of oil fractions and can fully satisfy the
demand of the Siberian and the Far East regions for transformer
oils. A distillate from a mixture of crudes was investigated
(2 parts of Okha and 1 part of Katangli crudes) in view of
differences in their composition, the Katangli crude containing
Card 1/3

SHEREMETA, N. A.

SHEREMETA, N. A.: "On the fate of transfused heterogenic erythrocytes"
(Experimental investigation). L'vov, 1955. L'vov State Medical Inst.
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

SHEREMETA, N.A.; PLATONOV, A.F.

Carcinoid of the appendix vermiformis. Nov.khir.arkh. no.4:78
Jl-Ag '57. (MIRA 10:11)

1. L'vovskiy nauchno-issledovatel'skiy institut perelivaniya krovi)
(APPENDIX (ANATOMY)--TUMORS)

PAL'CHEVSKIY, Ye.I., prof.; SHEREMETA, N.A., kand. med. nauk

Work of the Lvov Province Society of Pathoanatomists in 1955-1956.
Arkh.pat. 21 no.1:83-84 '59. (MIRA 12:1)

1. Predsedatel' L'vovskogo oblastnogo obshchestva patologoanatomov
(for Pal'chevskiy). 2. Sekretar' L'vovskogo oblastnogo obshchestva
patologoanatomov (for Sheremeta).
(LVOV PROVINCE--PATHOANATOMICAL SOCIETIES)

MESHKOV, N.V., prof.; SHEREMETA, N.A., kand.med.nauk

Work of the Lvov Society of Pathoanatomists in 1957-1958. Arkh.pat.
21 no.6:91-93 '59. (MIRA 12:12)

1. Predsedatel' L'vovskogo obshchestva patologoanatomov (for Meshkov).
2. Sekretar' L'vovskogo obshchestva patologoanatomov (for Sheremeta).
(LVOV--PATHOANATOMICAL SOCIETIES)

SHEREMETA, N.A.

Comparative morphology of hypoplastic and aplastic states.
Sbor. trud. L'vov. nauch.-issl. inst. perel. krovi i ne-
otlozh. khir. no.4:110-119 '60 (MIRA 16:12)

General hemosiderosis in hypoplastic and aplastic states.
Ibid.:120-125

MESHKOV, N.V., prof.; SHEREMETA, N.A., kand.meditsinskikh nauk

Work of the Lvov Society of Pathoanatomists in 1959. Arkh.pat.
22 no.5:89-91 '60. (MIRA 13:9)

1. Predsedatel' L'vovskogo Obshchestva patologoanatomov (for Meshkov).
2. Sekretar' L'vovskogo Obshchestva patologoanatomov (for Sheremeta).
(LVOV--PATHOANATOMICAL SOCIETIES)

SHEREMETA, N. A., kand. med. nauk

Brenner tumor (mucoid fibroepithelioma). Akush. i gin. 38 no.3:
(MIRA 15:6)
116-117 My-Je '62.

1. Iz patologistologicheskoy laboratorii L'vovskogo nauchno-
issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent
D. G. Petrov) i 5-y klinicheskoy bol'nitsy (glavnnyy vrach -
zasluzhennyj vrach UkrSSR I. I. Khoma)

(OVARIES—TUMORS)

VAL'CHEVSKIY, Ye.I., prof.; SHEREMETA, N.A., starshiy nauchnyy sekretnik
L'vovskogo nauchnogo obshchestva patologo-anatomov (for Val'chevskiy).
Zhurn. pat. 26 no.5:88-91 '84. (MIRA 18:1)

1. Predsedatel' L'vovskogo nauchnogo obshchestva patologo-anatomov (for Val'chevskiy). 2. Sekretar' L'vovskogo nauchnogo obshchestva patologo-anatomov (for Sheremeta).

SHB. 1965.

Character and distribution of heterotrophic hyperplastic processes
in thrombocytosis (Devkant). Cemst. i paral. krovi 1:199-202 '65.
(MIRA 18:10)
S. A. Vavanskij Institut perelivaniya krovi.

SHEREMETA, N.S., inzhener; TOVAROV, V.V., kandidat tekhnicheskikh nauk.

Reconstructing the journals of raw material mills. TSement 20 no.5:
26-27 S-0 '54.
(Machinery)

AUTHOR: Sheremeta, N.S.

101-58-3-8/12

TITLE: The Arrangement of Dust Exhausters in the Niiogaz System
(O komponovke batareynykh tsiklonov sistemy Niiogaz)

PERIODICAL: Tsement, 1958, Nr 3, pp 28-29 (USSR)

ABSTRACT: The article deals with dust exhausters for air cleaning in cement mills used at the Karadag Cement Plant. Since the exhausters did not operate satisfactorily, the mills had to be stopped frequently for cleaning, which involves a 20 - 25% productivity decrease. Careful investigations of the setup and the functioning of the exhauster system revealed that the existing arrangement in two rows was impractical, as the horizontal pipes connecting them with the collector were frequently blocked by cement. In 1956, the dust exhausters arrangement was changed by placing them in a semicircle around the collector. This arrangement gave satisfactory results, since the long pipe connections were now eliminated and the productivity of the mills rose by 25 %.

Card 1/2

101-58-3-8/12

The Arrangement of Dust Exhausters in the Niiogaz System

There is one set of diagrams

ASSOCIATION: Karadagskiy tsementnyy zavod (Karadag Cement Plant)

1. Industrial plants 2. Dust--Control systems

Card 2/2

SHEREMETA, P.F.

Metal molds for large aluminum reels. Lit.proizv. no.3:45 Mr '62.
(MIRA 15:3)

(Molding (Founding))

BUROV, V.S.; SHERENETA, V.G.

Lagoonal and continental Sarmatian sediments near Velikiy Rakovets
in Transcarpathia. Geol. sbor. [Lvov] no.4:178-181 '57.
(MIRA 13:2)

1. L'vovskiy gosuniversitet imeni Ivana Franko.
(Transcarpathia--Geology, Stratigraphic)

~~SHUREMETS, V.G.~~

Stratigraphic position of the coal-bearing stratum near the village
Berezinka in the Transcarpathian Province of the Ukrainian S.S.R.
Dop. ta pov. L'viv. un. no.7 pt.3; 154-156 '57. (MIRA 11:2)
(Berezinka Region--Geology, Stratigraphic)
(Berezinka Region--Ostracoda, Fossil)

S. N. Karpov, V.G., and Gali-Kin Sci--~~disc~~ "Str. biography of ~~Yannan~~ ^{Ponomarenko} agents of foreign intelligence based ^{upon} ~~upon~~ their code." L'vov, 1953.
16 pp. A short of some tie drawings (Min. of Higher Education USSR.
L'vov Scientific Institute of Radio), 110 copies (L'vov, 110)

- 3 -

SHEREMETA, V.G. [Sheremeta, V.H.]

Pliocene stratigraphy of Transcarpathia, based on the study of
Ostracods. Pyt.geol. no.9:70-86 '58. (MIRA 13:4)
(Transcarpathia--Ostracoda, Fossil)

BUROV, V.S.; SHEREMETA, V.G. [Sheremeta, V.H.]

Stratigraphy and conditions of deposition of sediments of the
Chop series in Transcarpathia. Geol.zhur. 18 no.4:98-102 '58.
(MIRA 12:1)
(Transcarpathia--Geology, Stratigraphic)

BUROV, V.S.; SHIREMETA, V.G.

Upper Pliocene formations in Soviet Transcarpathia. Izv. vys. ucheb.
zav.; geol. i razv. 2 no.7:50-59 Jl '59 (MIRA 13:3)

1. L'vovskiy gosudarstvennyy universitet im. Iv. Franko.
(Transcarpathia--Geology)

SHEKMETA, V.G.

Some new species of ostracods from Sarmatian and Pannonian
sediments of Transcarpathia. Paleont.sbor. [Lvov] no.1:113-120
'61. (MIRA 15:9)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Transcarpathia—Ostracoda, Fossil)

SEMENENKO, V.M.; SHEREMETA, V.G., [Sheremeta, V.H.]

New data on the time of the formation of Pliocene sediments in the southern part of the Ukraine. Geol. zhur. 23 no.5:80-84 '63.
(MIRA 16:12)

1. Institut geologicheskikh nauk AN UkrSSR i L'vovskiy gosudarstvennyy institut im I.Franko.

SEMENENKO, V.N. [Semenenko, V.M.]; SHEREMETA, V.G. [Sheremeta, V.H.]

Ostracods of the Kuyalnik stage of the Black Sea basin. Dop.
AN UkrSSR no.5:637-640 '65. (MIRA 18:5)

1. Institut geologicheskikh nauk AN UkrSSR i L'vovskiy universitet.

SHEREMETA, Yu.G.

Trends in the mechanization and automatization of the manufacture
of artificial soft leather. Kozh.-obuv.prom. 2 no.10:10-11
0 '60. (MIRA 13:11)
(Leather, Artificial)

SHEREMETEV, Anatoliy Vladimirovich; ZHITKEVICH, Rimma Grigor'yevna;
SHVARTSMAN, V.O., otv. red.; BOGACHEVA, G.V., red.; SLUTSKIN,
A.A., tekhn. red.

[Use of mathematical statistics methods for treating the results of
the measurement of electrical characteristics] Obrabotka rezul'tatov
izmerenii elektricheskikh kharakteristik metodami matematicheskoi sta-
tistiki. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961.
36 p.

(Information theory)

GORNSTEYN, I.L., starshiy inzh.; SHEREMETEV, A.V., kand.tekhn.nauk

Remote control servicing of wire communication amplifying stations.
Vest. sviazi 21 no.1:5-7 Ja '61. (MIRA 15:5)

1. Kiyevskoye otdeleniye TSentral'nogo nauchno-issledovatel'skogo
instituta svyazi Ministerstva svyazi SSSR.
(Telecommunication) (Remote control)

GRISHKO, N.A.; SHEREMETEV, A.V.; ROZOVSKAYA, M.I., otv. red.;
CHESNOKOVA, T.V., red.; ROMANOVA, S.F., tekhn. red.

[VUS-12-2 auxiliary repeater stations] Vspomogatel'nye
usilitel'nye stantsii VUS-12-2. Moskva, Sviaz'izdat,
1962. 62 p. (MIRA 16:4)

(Telephone)

- HEREMETOV, B.

AID P - 274

Subject : USSR/Aeronautics

Card : 1/3

Periodical : Kryl. Rod., 7, 1-24, Jy 1954

Abstract : One article from this issue has been processed on a separate card as AID P - 273. The remainder are listed only on the following Table of Contents:

	PAGES
1. Aeroclub, the Center of Sport-Aviation Work	1
2. Semenov, M., The Reliable Support of the DOSAAF Committee (photo)	2-3
3. Shumilov, V., The New Flight Altitude Record (account of the establishment of a new USSR national altitude record on the YaK-18 for aircraft of the second weight category, photo)	4
4. Sheremetev, B., Designer, The Glider "Kashuk" (description and diagrams of a glider with flapping wings) processed on separate card	5-6

AID P - 274

Kryl. Rod., 7, 1-24, Jy 1954 (additional card)

Card		PAGES
	: 3/3	
14.	Pozdneev, Aleksandr, Ascending Current (fiction)	18-22
15.	Review of Boykov, B. V., <u>Letatel'nyye</u> <u>Mashiny</u>	22
16.	Chronicle of Sport Events	23
17.	Aviation Calendar (description of past events)	23-24

Institution : None

Submitted : No date

SHEREMETEV, B.

SIMONOV, V., master sporta; SHEREMETEV, B., konstruktor.

What kind of gliders does the All-Union Volunteer Society for
Assistance to the Army, Air Force and Navy need? Kryl.rod.6
no.1:11-13 Ja '55.
(Gliders (Aeronautics))

(MLRA 8:3)

AID P - 5288

Subject : USSR/Aeronautics - Gliders

Card 1/1 Pub. 58 - 6/11

Author : Sheremetev, B., Designer

Title : Glider Sh-18

Periodical : Kryl. rod., 9, 13-14, S 1956

Abstract : Technical description of the construction of the new Soviet glider Sh-18, containing indications as to the glider's flying characteristics. 1 photo and 1 drawing.

Institution : None

Submitted : No date

KOSTENKO, Igor' Konstantinovich; SIDOROV, Orest Aleksandrovich;
SHEREMETEV, Boris Nikolayevich; YEFREMOVA, Ye.V., red.;
BLAZHENKOVA, G.I., tekhn.red.

[Foreign gliders] Zarubezhnye planery. Moskva, Izd-vo
DOSAAF, 1959. 159 p. (MIRA 13:2)
(Gliders (Aeronautics))

PHASE I BOOK EXPLOITATION SOV/5498

Sheremetev, Boris Nikolayevich

Planery (Gliders) Moscow, DOSAAF, 1959. 217 p. Errata slip inserted. 10,700 copies printed.

Ed. (Title page): N. N. Fadeyev, Candidate of Technical Sciences;
Ed.: A. A. Vasil'yev; Tech. Ed.: M. S. Karyakina.

PURPOSE : This book is intended for the general reader interested in gliders and sport flying.

COVERAGE: The book presents basic information on gliders, with particular attention given to their design and classification. Various types of training and record-breaking gliders and their technical data are discussed. The last chapter outlines future trends in glider design. No personalities are mentioned. There are no references.

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ZAMYATIN, V.; SHEREMETEV, B.

Motor gliders. Kryl. rod. 15 no.10:26-27 0 '64.
(MIRA 18:1)

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ALYSHEV, M.Ya., inzhener; SHEREMETEV, G.V., inzhener.

Prospects for farm electrification. Nauka i pered. op. v sel'khoz.
6 no.11:7-11 N '56. (MIRA 10:1)
(Rural electrification)

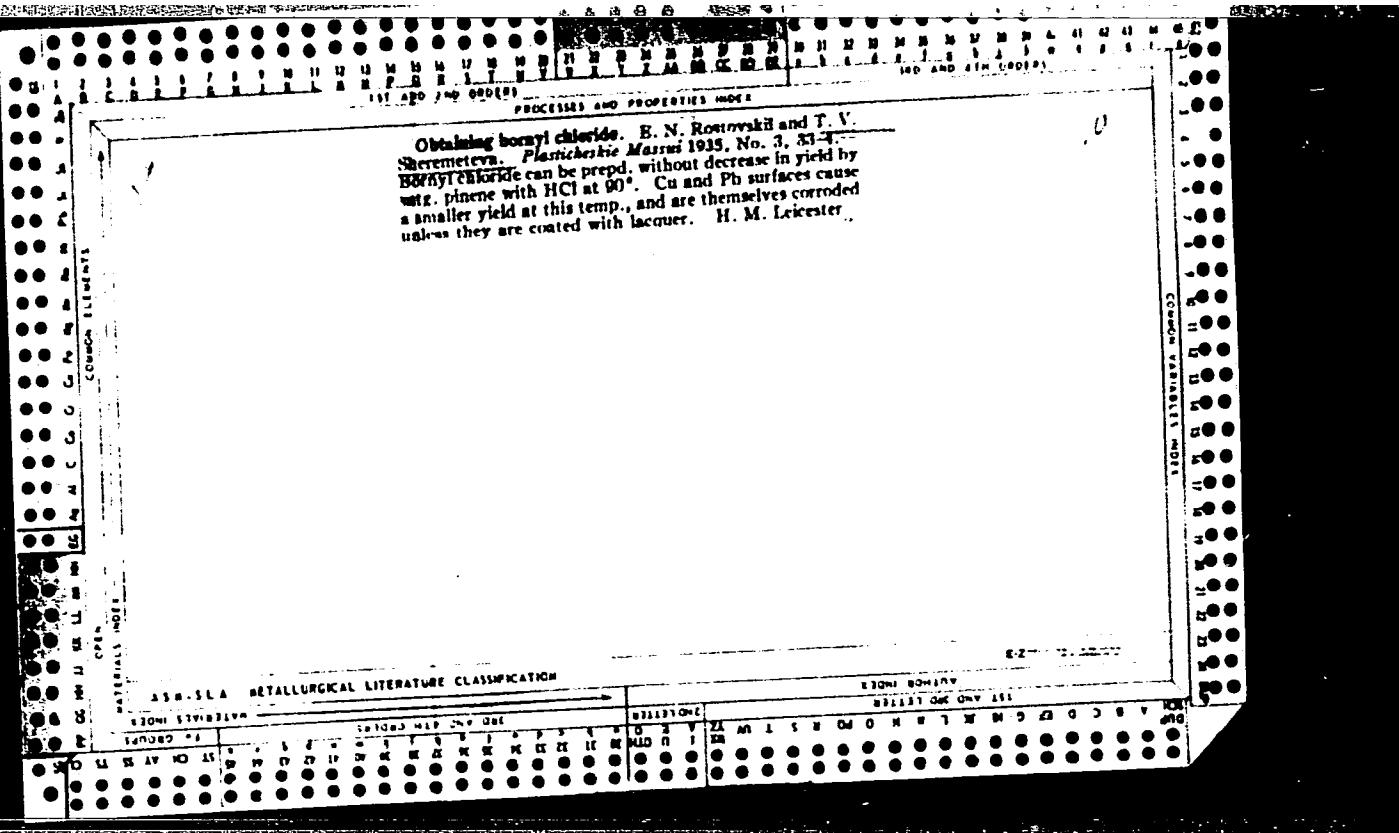
SHEREMETEV, G.V., inzh. (Moskva)

Determination of a zone for centralized power supply of rural areas and
problems concerning the choice of power sources from beyond this zone.
Elektrichestvo no.3:5-9 Mr '63. (MIRA 16:4)
(Rural electrification) (Electric power distribution)

SHEREMETEV, N.S.

Assembly of cyclone banks of a system devised by the Scientific
Research Institute of Gas Purification. TSement 24 no.3:28-29
(MIRA 11:8)
My-Je '58.

1. Karagadskiy tsementnyy zavod.
(Cement plants—Design and construction)
(Air—Purification)
(Separators (Machines))



SUPREMOV, T. V.

Mos., Lab. Organic Chemistry, Moscow Order Lenin State Univ. im. M. V. Lomonosov, -1943-.
"On Certain New Derivatives of 4-Phenyl-Camphor," Dok. AN, 38, No. 4, 1943; "Investigations
in the Field of Phenyl Camphor and Its Derivatives: IV. Some Derivatives of
4-Phenyl Camphor," Zhur. Obshch. Khim., 17, No. 2, 1947.

CA

Phenylcamphor and its derivatives. IV. Some derivatives of 4-phenylcamphor. S. S. Namiotkin and T. V. Sheremeteva (Moscow State Univ.), *J. Gen. Chem. (U.S.S.R.)* 17, 335-42 (1947); *cf. C.A. 37, 9357*. A simplified synthesis and some derivs. of 4-phenylcamphor (I) are given. After the reaction of camphor with Ph-MgBr and steam distn. of the unreacted camphor the residual mixt. of Ph, tertiary phenylboryl ale., and phenylecamphene was not sepd.; it was instead heated with KHSO_4 to complete the dehydration of the tertiary ale., and the mixt. of Ph and phenylecamphene was treated with AcOH according to Bertram and Wahlbaum, after which the secondary phenylsobenyl acetate is readily sepd. in solid state and m. 87° (from RtOH); yield on camphor 71%. I treated with HCO_3An in the presence of Na in RtOH with cooling, then heated to 35-40°, treated with H_2O_2 , and freed of solvents gave about 10% 4-phenyl-3-(hydroxymethylene)camphor (II), m. 50-4°, after acidification by AcOH, followed by purification through the Na salt ; *D₂* derat. m. 140-50° (from dil. RtOH). II, allowed to stand 2 months in AcOH and evapd., gave 4-phenyl-3-formylcamphor, m. 91.5° (from petr. ether). II with 1% weakly alk. KMnO_4 in the cold gave 4-phenylcamphorquinone, m. 142.3° (from dil. RtOH); golden yellow. 4-(*p*-Aminophenyl)camphor, m. 142-5°, was prep'd. by reduction of the NO_2 compd. with Zn dust in AcOH; repeated reduction and purification through the H_2SO_4 salt gave the pure product, colorless, m. 141.5-5° (from RtOH). *D₂* derat. m. 181.2° (from RtOH), from the NH_2 compd. and AcOH on heating. The NH_2 compd. (2.5 g.) was diazotized and allowed to stand 20 days at room temp.;

the solid ppt. was periodically collected and after crystn. from benzene-petr. ether gave 18% 4-(*p*-nitrophenyl)camphor, m. 121.5-5°; *D₂* derat. m. 175.0° (from dil. RtOH). I, heated to 35-40° with 5 parts of $\text{H}_2\text{SO}_4\text{H}_2\text{O}$ several hrs., the excess H_2SO_4 removed by Pb(OAc)_3 , the filtrate evapd. to dryness, then the Ph salt (recrystd. from RtOH) freed of Ph by H_2S , and the filtrate evapd. to dryness gave 4-*p*-nitrophenylcamphor, colorless powder, m. 180.0° (from CHCl_3). *D₂* salt, by neutralization of the sulfonation soln. by Ba(OH)_2 , treatment with CO_2 , and evapn. of the filtrate, colorless needles (with H_2O , loses water at 110-15°); *Pb salt* (prep'd. as above) forms an octahydrate, which loses water at 120°. 4-(*p*-Nitrophenyl)camphor (1.5 g.) heated with 5 cc. Ac₂O and 1.5 g. SeO_2 to 140-50° 6 hrs., filtered hot, and cooled gave 82% 4-(*p*-nitrophenyl)camphorquinone, golden yellow, m. 136.5-7° (from AcOH). G. M. Kosolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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Sheremeteva, T. V.

Calculation of the degree of transformation of high-molecular compounds in preparation of their derivatives.
T. V. Sheremeteva. J. Appl. Chem. U.S.S.R. 26, 497-500,
(1953) (Eng. translation).—See C.A. 47, 10271a.

H. L. H.

ABDULLAYEV, D.M., prof., SHERBITSKAYA, L.A.

Effect of blood transfusion on the functional state of the liver
in splenohepatomegaly. Azerb.med.zhur. no.9:45-50 '58 (MIRA 11:11)

1. Iz kliniko-gematologicheskogo otdeleniya (zav. - zaslyzhenyy
deyatel'nauki prof. D.M. Abdullayev) Azerbaydzhanskogo instituta
perelivaniya krovi (direktor - dots. G.A. Guseynov).
(BLOOD--TRANSFUSION)
(LIVER)

L 20702-65 EWT(m)/EPF(c)/EPR/EWP(j) Pc-4/Pr-4/Ps-4 RPL WW/RM

ACCESSION NR: AR3010282

S/0081/63/000/012/0155/0155

SOURCE: RZh. Khimiya, Abs. 12G95

AUTHOR: Sherbov, D. P.; Korzheva, R. N.

TITLE: Fluorescent detection of boron in solutions by means of phenylfluorone

CITED SOURCE: Tr. Kazakhsk, n.-i in-ta mineral'n. sy*r'ya, vy*p. 2, 1960, 217-222

TOPIC TAGS: boron analysis, boron fluorescence, fluorescent analysis, phenylfluorone, fluorescence quenching, boron phenylfluoronate extraction, fluorimetry

TRANSLATION: While studying the fluorescent reaction of B with phenylfluorone, the authors found that the brightest green fluorescence in solutions of the complex between B and phenylfluorone takes place at pH 9.5; the maximum difference between the fluorescence of a solution containing B and that of a control solution is achieved in 24 hours and is stable for 2-3 days. Under these conditions, it is possible to detect $\geq 1 \mu\text{g}/\text{ml}$ B. When the solutions were allowed to stand in darkness and in diffuse light, the latter was found to increase the sensitivity of this B detection method markedly due to considerable weakening of the fluorescence of the control solution. The fluorescence of boron fluoronate is quenched completely by Y, Ti, V, Gr, Mn, Fe, Ag, Au and Hg, significantly by Be, Al, Sc, Ce, C₆₀. 1/2

L 20702-65

ACCESSION NR: AR3010282

Th, U, Zr, Nb, Mo, Co, Ni, Cu, Zn, Ga, Ge, Bi, Pb, Sn and Sb, and slightly by Mg, Ca, Cd, In, Tl and phosphates. Ethanol also quenches the fluorescence. When solutions of boron phenylfluorone are shaken with chloroform, a significant amount of unbound phenylfluorone precipitates out and floats at the phase boundary. Consequently, the fluorescence of the control sample is reduced and that of the solution containing B becomes considerable even at very low B concentrations. In order to carry out this reaction, 1 ml of the weakly alkaline solution to be analyzed is mixed with 1 ml of pH 9.5 buffer solution and 0.5 ml of a 0.05% solution of phenylfluorone, and then shaken with 1 ml of chloroform. After separation of the phases, the fluorescence of the aqueous layer is measured relative to that of the control sample during illumination with an LYuM-1 luminescent bulb. The method makes possible the detection of up to 1 μ g B. The sensitivity of the B detection method can be increased significantly by replacing the UFS-3 light filter in the illuminator with a PS-11 glass. A. Nemodruk

SUB CODE: IC

ENCL: 00

Card 2/2

USSR / Farm Animals. Swine.

Q

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, №. 21273

Author : Sherbow, N. A.

Inst : Not given

Title : The Keeping of Nursing Sows and Piglets in Groups

Orig Pub : Zhivotnovodstvo, 1958, № 6, 15-20

Abstract : The advantage of keeping sows and piglets in groups is theoretically substantiated and actual data are presented pertaining to the introduction of this method in Byelorussia and to the raising of healthier, stronger piglets in a larger number from each sow than when litters are kept separately. The provisions for the formation of groups and their keeping in camps during the summer and in pigpens during the winter are described in detail. It is stressed that this method

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Abs Jour : Ref Zhur - Biologiya, No 5, 1959, №. 21273

of raising piglets permits to accommodate $1\frac{1}{2}$ - 2 sows instead of 1 sow as in separate keeping, to simplify equipment, to sharply reduce the number of workers, and to improve the zoohygienic conditions for the raising of piglets. -- A. D. Musin

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